

Python Review Activities

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Time required: 60 minutes

Pseudocode

All programs must have pseudocode or TODO's of some type. Show evidence that you solved the problem first.

Fred's Fiber Farm

Fred's Fiber Farm sells fiber services. Fred wants you to write a program that calculates the price for various lengths of fiber runs.

- Prompt the user for the distance, display the cost.
- Keep prompting the user for another calculation, until they wish to exit the program.

Distance in Miles	Cost per Mile
1	\$3000
2-10	\$2500
11-20	\$2250
20+	\$2000

Example run:

```
Welcome to Fred's Fiber Farm
Enter miles of fiber: 1
1 miles of fiber will cost $3,000.00 per mile.
Your total cost will be $3,000.00

Would you like to calculate a different distance? (1) yes, (2) no. 1

Welcome to Fred's Fiber Farm
Enter miles of fiber: 10
10 miles of fiber will cost $2,500.00 per mile.
Your total cost will be $25,000.00

Would you like to calculate a different distance? (1) yes, (2) no. 1

Welcome to Fred's Fiber Farm
Enter miles of fiber: 15
15 miles of fiber will cost $2,250.00 per mile.
Your total cost will be $33,750.00

Would you like to calculate a different distance? (1) yes, (2) no. 1

Welcome to Fred's Fiber Farm
Enter miles of fiber: 21
21 miles of fiber will cost $2,000.00 per mile.
Your total cost will be $42,000.00

Would you like to calculate a different distance? (1) yes, (2) no. 2
```

Assignment Submission

1. Attach the pseudocode.
2. Attach the program files.
3. Attach screenshots showing the successful operation of the program.
4. Submit in Blackboard.